

## Questions and Answers

### Construct Perimeter Fence and Security Gate

VA-246-12-B-0081

**(ANSWERS ARE IN BOLD)**

1. Question: Botanists inform us that the root ball on a holly with 6" – 8" diameter trunk is 96". Holly's lateral roots are known to be invasive and often cause damage to underground pipes. Question: if existing utilities are damaged in the process of removing the holly bushes, will that damage be deemed beyond our control and repairs to existing utilities be compensated as an extra?

**Refer to General Requirements 01 00 00 para. 1.9/B-Contractor is responsible for existing utilities as it pertains to the scope of work and must perform an utilities detection as per construction drawings for these items to be identified.**

2. Question: On addendum #1 Q&A, answer #3 includes invincible style as an option. Prices between classic, majestic and genesis are very similar. Invincible fence has a big difference in price if compared with the other 3 option, in order to keep similar prices between proposals please can you delete invincible style or specify invincible fence as the only option?

**If invincible fence style doesn't suit to a price proposal then use other options such as classic, majestic, genesis, or equivalent.**

3. Question: In order to reach the requirement on addendum #1 about 42 PSF wind load and 500 lbs. vertical load, the only option is going to be steel product which is Ameristar Aegis II. Can the vertical load be reduced to 300 Lbs. in order to keep the Echelon II?

**Refer to Addendum #1 Question 8**

#### **CLARIFICATION:**

**What is the minimum horizontal and vertical load are the panels required to support?**

- **Wind load capacity 42 PSF (Wind Load Capacity mph 126) and vertical loads as per recommendation of manufacturer to withstand 500lbs between embedded post.**

**If you noted that the requirement of 500 Lbs is between embedded post and the recommendation of the manufacturer.**

**For Example, Echelon II Vertical Design Loads are per rail for 8' span 109lbs so, therefore the moment to be found at embedded post shall be as to withstand a LIVE LOAD of 250 Lb. Also, to find the capacity of the Fence Panel multiply by the number of rails. So, I don't understand**

**why 500 lbs of vertical load between embedded posted cannot be reach with an aluminum product. If the Contractor wants to use Ameristar Aegis II or Equivalent there is no issue, but please refer to Addendum #1 Question 17 for requirements for Steel if used.**

4. Question: Per manufactures, Maximum span for a cantilever/sliding gate is 30'. In order to reach 45' span as requested on Gate # 3, the design is going to be different that the detail depicted on sheet S 101 Dwg. 7 of 8, Can the 90' span be reduced to 60' span in order to continue with the details on S 101?

**Contractor can install any system as long as the following measures are met;**

- **Meet 45" span requested on GATE #3 using Viking H-10 or equivalent drive chain which Max Gate Capacity is 2000lbs/45'.**
- **GATE to be same throughout. The GATE to be same as Perimeter Fence.**
- **Submit shop drawings to the Government of the system in which Contractor wish to use for Approval.**
- **The construction Drawings are a general guideline for installation of Perimeter Fence Gates and In areas noted on the drawings the Constructor can submit shop drawings for approval that can differ from Construction Drawings as long as they meet the recommendations of manufacture, contract documents, local, and state/federal building requirements.**

5. Question: To ensure compatible, what are the existing security components and what is the existing "security subsystem" referenced in specs ?

**System to be controlled and monitored via existing Lenel workstation at Bldg 12**

6. Question: New gate operators are to be 110 VAC or 220 VAC and if 220 VAC is it single phase?

**Refer to S-102 for the system that was given as an example or equivalent.  
GATE #3 can be power through Bldg 1 if Solar is not possible.**

7. Question: What is the communication protocol of the local processor referenced in specs?

**Protocol as are to communicate with existing LENEL system Located in Bldg 12**

8. Question: What is the Portal Control Device referenced Spec. 28 13 11 Sec.2.2 E.?

**Disregard this section for it has been omitted from specifications.**

9. Question: What type card reader technology will be used - three different types are referenced in specs; magnetic strips, proximity, and smart card?

**LENEL HSPDE-12 and PIV II compliant or equivalent.**

10. Question: Are all employees on site required to have completed the OSHA 10 hour safety course?

**REFER TO GENERAL REQUIREMENTS 01 00 00**